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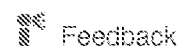
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1 **Visual information retrieval from large distributed online repositories**
❖ Shih-Fu Chang, John R. Smith, Mandis Beigi, Ana Benitez
   December 1997 Communications of the ACM, Volume 40 Issue 12
   Publisher: ACM
   Full text available: 📄 pdf(1.96 MB)   Additional Information: full citation, references, cited by, index terms

   Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 197, Citation Count: 26

2 **Main-memory index structures with fixed-size partial keys**
❖ Philip Bohannon, Peter McIlroy, Rajeev Rastogi
   May 2001 SIGMOD '01: Proceedings of the 2001 ACM SIGMOD international conference on
            Management of data
   Publisher: ACM
   Full text available: 📄 pdf(185.51 KB) Additional Information: full citation, abstract, references, cited by, index
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      The performance of main-memory index structures is increasingly determined by the
      number of CPU cache misses incurred when traversing the index. When keys are stored
      indirectly, as is standard in main-memory databases, the cost of key retrieval in
      terms ...

      Keywords: B-trees, T-tree, cache coherence, key compression, main-memory indices

3 **Main-memory index structures with fixed-size partial keys**
❖ Philip Bohannon, Peter McIlroy, Rajeev Rastogi
   June 2001 ACM SIGMOD Record, Volume 30 Issue 2
   Publisher: ACM
   Full text available: 📄 pdf(185.51 KB) Additional Information: full citation, abstract, references, cited by, index
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   Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 122, Citation Count: 14

      The performance of main-memory index structures is increasingly determined by the
      number of CPU cache misses incurred when traversing the index. When keys are stored
      indirectly, as is standard in main-memory databases, the cost of key retrieval in
      terms ...

Keywords: B-trees, T-tree, cache coherence, key compression, main-memory indices

4 Extracting semantics from data cubes using cube transversals and closures
Alain Casali, Rosine Cicchetti, Lotfi Lakhal
August 2003 KDD '03: Proceedings of the ninth ACM SIGKDD international conference on
         Knowledge discovery and data mining
Publisher: ACM
Full text available: pdf(389.56 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 67,   Citation Count: 0

In this paper we propose a lattice-based approach intended for extracting semantics from datacubes: borders of version spaces for supervised classification, closed cube lattice to summarize the semantics of datacubes w.r.t. COUNT, SUM, and covering graph ...

Keywords: algorithm, closures, datacubes, hypergraph transversals, lattices, version spaces

5 Searchable symmetric encryption: improved definitions and efficient constructions
Reza Curtmola, Juan Garay, Seny Kamara, Rafail Ostrovsky
October 2006 CCS '06: Proceedings of the 13th ACM conference on Computer and
         communications security
Publisher: ACM
Full text available: pdf(682.40 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 32,   Downloads (12 Months): 190,   Citation Count: 0

Searchable symmetric encryption (SSE) allows a party to outsource the storage of its data to another party (a server) in a private manner, while maintaining the ability to selectively search over it. This problem has been the focus of active research ...

Keywords: multi-user, searchable encryption, searchable symmetric encryption, security definitions

6 Reasoning about the behavior of Semantic Web services with concurrent transaction logic
Dumitru Roman, Michael Kifer
September 2007 VLDB '07: Proceedings of the 33rd international conference on Very large
         data bases
Publisher: VLDB Endowment
Full text available: pdf(423.47 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 79,   Citation Count: 0

The recent upsurge in the interest in Semantic Web services and the high-profile projects such as the WSMO, OWLS, and SWSL, have drawn attention to the importance of logic-based modeling of the behavior of Web services. In the context of Semantic Web ...

7 Characterizing typical and atypical user sessions in clickstreams
Narayanan Sadagopan, Jie Li

April 2008 WWW '08: Proceeding of the 17th international conference on World Wide Web
Publisher: ACM

Full text available: pdf(423.23 KB)　Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 49,　Downloads (12 Months): 49,　Citation Count: 0

Millions of users retrieve information from the Internet using search engines. Mining these user sessions can provide valuable information about the quality of user experience and the perceived quality of search results. Often search engines rely on ...

Keywords: clickstream analysis, outlier detection, web search

8　Automatic physical database tuning: a relaxation-based approach
Nicolas Bruno, Surajit Chaudhuri
June 2005 SIGMOD '05: Proceedings of the 2005 ACM SIGMOD international conference on Management of data
Publisher: ACM

Full text available: pdf(476.05 KB)　Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 12,　Downloads (12 Months): 151,　Citation Count: 3

In recent years there has been considerable research on automated selection of physical design in database systems. In current solutions, candidate access paths are heuristically chosen based on the structure of each input query, and a subsequent bottom-up ...

9　PicASHOW: pictorial authority search by hyperlinks on the web
January 2002 ACM Transactions on Information Systems (TOIS),　Volume 20 Issue 1
Publisher: ACM

Full text available: pdf(436.32 KB)　　Additional Information: full citation, abstract, references, index terms, review

Bibliometrics: Downloads (6 Weeks): 6,　Downloads (12 Months): 49,　Citation Count: 0

We describe PicASHOW, a fully automated WWW image retrieval system that is based on several link-structure analyzing algorithms. Our basic premise is that a page p displays (or links to) an image when the author of p considers the image ...

Keywords: Image retrieval, hubs and authorities, image hubs, link structure analysis

10　Query suspend and resume
Badrish Chandramouli, Christopher N. Bond, Shivnath Babu, Jun Yang
June 2007 SIGMOD '07: Proceedings of the 2007 ACM SIGMOD international conference on Management of data
Publisher: ACM

Full text available: pdf(531.69 KB)　Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 13,　Downloads (12 Months): 266,　Citation Count: 0

Suppose a long-running analytical query is executing on a database server and has been allocated a large amount of physical memory. A high-priority task comes in and we need to run it immediately with all available resources. We have several choices. ...

Keywords: optimization, processing, query, resume, suspend

11 An organic user interface for searching citation links
    Jock D. Mackinlay, Ramana Rao, Stuart K. Card
    May 1995 CHI '95: Proceedings of the SIGCHI conference on Human factors in computing
          systems
    Publisher: ACM Press/Addison-Wesley Publishing Co.
    Full text available: html(43.79 KB)   Additional Information: full citation, references, cited by, index terms

    Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 73,   Citation Count: 28

12 A logical framework for scheduling workflows under resource allocation constraints
    Pinar Senkul, Michael Kifer, Ismail H. Toroslu
    August 2002 VLDB '02: Proceedings of the 28th international conference on Very Large
          Data Bases
    Publisher: VLDB Endowment
    Full text available: pdf(275.46 KB)   Additional Information: full citation, abstract, references, index terms

    Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 61,   Citation Count: 0

        A workflow consists of a collection of coordinated tasks designed to carry out a well-
        defined complex process, such as catalog ordering, trip planning, or a business process
        in an enterprise. Scheduling of workflows is a problem of finding a correct ...

13 Approximate spatio-temporal retrieval
    Dimitris Papadias, Nikos Mamoulis, Vasilis Delis
    January 2001 ACM Transactions on Information Systems (TOIS),   Volume 19 Issue 1
    Publisher: ACM
    Full text available: pdf(481.40 KB)   Additional Information: full citation, abstract, references, cited by, index
                                                                    terms

    Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 82,   Citation Count: 2

        This paper proposes a framework for the handling of spatio-temporal queries with
        inexact matches, using the concept of relation similarity. We initially describe a binary
        string encoding for 1D relations that permits the automatic derivation of similarity ...

14 Optimizing large star-schema queries with snowflakes via heuristic-based query
    rewriting
    Yingying Tao, Qiang Zhu, Calisto Zuzarte, Wing Lau
    October 2003 CASCON '03: Proceedings of the 2003 conference of the Centre for Advanced
                  Studies on Collaborative research
    Publisher: IBM Press
    Full text available: pdf(182.43 KB)   Additional Information: full citation, abstract, references, index terms

    Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 132,   Citation Count: 0

        User queries have been becoming increasingly complex (e.g., involving a large number
        of joins) as database technology is applied to some application domains such as data
        warehouses and life sciences. Query optimizers in existing database management
        systems ...

        Keywords: complex query, database management system, query graph, query
        optimization, query rewrite

15 Scalable automatic test data generation from modeling diagrams

Yannis Smaragdakis, Christoph Csallner, Ranjith Subramanian
November 2007 ASE '07: Proceedings of the twenty-second IEEE/ACM international
conference on Automated software engineering
Publisher: ACM
Full text available: pdf(715.00 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 74,   Citation Count: 0

We explore the automatic generation of test data that respect constraints expressed in
the Object-Role Modeling(ORM) language. ORM is a popular conceptual
modelinglanguage, primarily targeting database applications, withsignificant uses in
practice. ...

Keywords: NP-hardness, ORM, ORM-modeling, test databases

16 A semantic approach to contextual advertising

Andrei Broder, Marcus Fontoura, Vanja Josifovski, Lance Riedel
July 2007 SIGIR '07: Proceedings of the 30th annual international ACM SIGIR conference
on Research and development in information retrieval
Publisher: ACM
Full text available: pdf(334.98 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 90,   Downloads (12 Months): 818,   Citation Count: 0

Contextual advertising or Context Match (CM) refers to the placement of commercial
textual advertisements within the content of a generic web page, while Sponsored
Search (SS) advertising consists in placing ads on result pages from a web search
engine, ...

Keywords: contextual advertising, matching, semantics

17 Visual information retrieval

Amarnath Gupta, Ramesh Jain
May 1997 Communications of the ACM,   Volume 40 Issue 5
Publisher: ACM
Full text available: pdf(676.39 KB)   Additional Information: full citation, references, cited by, index terms,
review

Bibliometrics: Downloads (6 Weeks): 40,   Downloads (12 Months): 311,   Citation Count: 74

18 Just-in-time contextual advertising

Aris Anagnostopoulos, Andrei Z. Broder, Evgeniy Gabrilovich, Vanja Josifovski, Lance Riedel
November 2007 CIKM '07: Proceedings of the sixteenth ACM conference on Conference on
information and knowledge management
Publisher: ACM
Full text available: pdf(374.89 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 73,   Downloads (12 Months): 319,   Citation Count: 0

Contextual Advertising is a type of Web advertising, which, given the URL of a Web
page, aims to embed into the page (typically via JavaScript) the most relevant textual
ads available. For static pages that are displayed repeatedly, the matching ...

Keywords: text classification, text summarization

19 Optimizing query rewrites for keyword-based advertising
Azarakhsh Malekian, Chi-Chao Chang, Ravi Kumar, Grant Wang
July 2008 EC '08: Proceedings of the 9th ACM conference on Electronic commerce
Publisher: ACM
Full text available: pdf(297.43 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

We consider the problem of query rewrites in the context of pay-per-click search advertising. Given a three-layer graph consisting of queries, query rewrites, and the corresponding ads that can be served for the rewrites, we formulate a family of graph ...

Keywords: greedy algorithm, keyword-based advertising, query rewriting, submodularity

20 Robust, anonymous RFID authentication with constant key-lookup
Mike Burmester, Breno de Medeiros, Rossana Motta
March 2008 ASI ACCS '08: Proceedings of the 2008 ACM symposium on Information, computer and communications security
Publisher: ACM
Full text available: pdf(315.43 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 49, Citation Count: 0

A considerable number of anonymous RFID authentication schemes have been proposed. However, current proposals either do not provide robust security guarantees, or suffer from scalability issues when the number of tags issued by the system is very large. ...

Keywords: RFID, availability, privacy, provably secure protocols, scalability, unlinkability

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